#### **INDIA**

## RUBBER WORLD

BILL BROTHERS PUBLISHING CORP. 386 Fourth Avenue, New York 16, N. Y.

#### Volume 121-122

#### October, 1949, to September, 1950

Pages	Pages	Pages
A-1—New Resin Adhesive F 559	Australia, Rubber Industry in 0 100, Ma 728	BOOK REVIEWS "Monomers—Section I" Edited by E. R. Blout,
Accelerator, Latex—Merac	Austria, Rubber Trade in	"Monomers—Section I" Edited by E. R. Blout, H. Mark, W. P. Hohenstein O II "New Dictionary of Chemistry, A." Second Edition Edited by Stephen and L. Mackenzie Miall II 468 "Organic Chemistry," Fourth English Edition Paul Kerrer Au 597 "Petroleum Chemicals Industry, The" Richard Frank Goldstein F 604 "Physics and Chemistry of Cellulose Fibers, with Particular Reference to Rayon" With Particular Reference to Rayon"
Acid, Fatty, Ester, New-Glyceryl (Mono)	Use of Polyethylene in Contact with Rubber	Edition
Maleo-Pimaric—New Naval Stores Prod-	The	"Organic Chemistry," Fourth English Edi-
	В	"Petroleum Chemicals Industry, The"
For Butyl, New—No. 12623 Cement D 324 Kalabond R M-2—General Tire	Bald, Arthur E	Richard Frank Goldstein F 604
Polyethylene Film	Recent Developments in Reclaimed Rubber	with Particular Reference to Rayon'
ADHESIVE For Butyl, New—No. 12623 Cement.   D 324 Kalabond RM-2—General Tire.   Ja 448 Polyethylene Film   Ma 685 Resin, New—A-1   F 559 Rubber-to-Metal   Ja 438 Tilling, for, Fremont   F 568 Vinyl, New—Vinyl-Hesive   Au 543 Adhesives for Polyethylene—Dispersites   O 80 AE-1—New Monsanto Chemical   O 86	Ballantyne, Ford, Jr	"Of Rubber Elasticity, The".  L. R. G. Treloar Ap 114  "Plastics in Engineering". John Delmonte O 112  "Proceedings of the Second Rubber Tech-
Vinyl, New-Vinyl-Hesive	Ballantyne, Ford, Jr	"Plastics in Engineering". John Delmonte O 112
Adhesives for Polyetnylene—Dispersites 0 80 AE-1—New Monsanto Chemical 0 86	BANIGAN, T. F., IR., R. W. PLANCK, I. W.	"Proceedings of the Second Rubber Tech- nology Conference, 1948"
Ade-1—New Monsanto Chemical. 0 86 Africa, Rubber Industry in F 603, Jl 467 Aggregation, Mechanical, on the Dispersion Characteristics of Carbon Black. E. M. Dunnenberg, M. E. Jordan, C. A. Stokes S 663 Aging Study, Hyear OR-15	I Malandan Wainha Panation of Custolis	nology Conference, 1948".  Edited by T. R. Dawson D 359 "Quality Control and Statistical Methods" Edward M. Schrock S 722
Characteristics of Carbon Black. E. M.	Rubber, A Je 301	"Rayon, the First Man-Made Fiber"
Aging Study, Hycar OR-15	Rubber, A	Joseph Leeming Je 354
	Beatty, D. H. Cornell N 185, D 309	The Rubber Age O 112
Aktural Rubber, Postwar E. M. McColm My 111 Akron Polymer Lectures		"Rubber's Home Town" Hugh Allen Je 354 "Scientific and Technical Abbreviations, Signs, and Symbols," Second Edition The Allen Je 379
Ap 51, My 210, Jl 436 Alamask Odorants, Du Pont'sJa 438	A. E. Juve N 185, D 309	Signs, and Symbols," Second Edition O. T. Zimmerman and Irvin Lavine S 722
ALLEN, E. M., F. W. GAGE, RALPH F. WOLF Compounding of Low-Temperature GR-S	Stress Relaxation of Some Rubber and Synthetic Rubber Vulcanizates in Com-	"Strength of Plastics and Glass, The
with a New Fine-Particle Silica Ma 669 America, Latin, Rubber Industry in Ma 679	pression	"Theory of Solutions of High Polymers, The" A. R. Miller N 236
Production in, Small-Farm	Belgium, Rubber Trade in.	Faul C Planta Wes S McCord
AMERICAN CHEMICAL SOCIETY	Synthetic Rubber Vulcanizates in Compression. F 537 Behney, Dale F	Carlos A. Efferson Ja 473
Division of Rubber Chemistry Directors	Glass Fiber Reinforcement of Foam Rubber	"Who's Who in Plastics" The Society of the Plastics Industry, Inc. Ja 473 "World Chemical Directory, 1949" Jl 468
MEETINGS Spring, 1949 O 76	Biggert, F. C., Jr	BOONSTRA, B. S. T. T.
Spring, 1949 O 76 1950 Ja 440, Ma 686, My 191 Abstracts of Papers Ma 686 Fell 1990	Ja 475, F 607, Ma 733, Ap 117, My 228,	BOONSTRA, B. S. T. T.  Tensile Properties of Natural and Synthetic Rubbers at Elevated and Subnormal
Fall, 1949	Biggert, F. C., Jr	
Abstracts of Papers S 677 Fisher Award, Koltnoff Receives Ma 693	Reports on Rubber Products—Abstracts Ap 94, Au 576	N 203, F 559, Ma 693, My 195, Au 551 Bracken, W. O
Abstracts of Papers. Ma 986 Fall, 1949 0 75 1950 19434, S 677 Abstracts of Papers S 677 Fisher Award, Koltnoff Receives Ma 693 Gibbs, Willard, Medalst C. Marvel Ap 70 High Polymer Chemistry, Forms Division	BISHOP, HESTER R., PAUL WISEMAN, ISAAC DROGIN	Boston Rubber Group.  N 203, F 559, Ma 693, My 195, Au 551 Bracken, W. O Portrait F 556 Brallier, Paul S Portrait Ma 705 Branch, C. Benson. Portrait O 88 Brazil, Rubber Trade in. Ma 729 BUECKEN, H. E. Controversial Points on Extrusion. Je 306
of	High-Temperature Mixing of Fully Reinforc-	Brazil, Rubber Trade in
Chicago F 584, Je 314 St. Joseph's Valley	ing Carbon Blacks in Synthetic and Natural Rubbers—II 0 57 Blair, Richard R. Portrait Ap 84 Blanchard, Raymond H. Portrait My 201	Controversial Points on Extrusion Je 306 Letter to the Editor
	Blanchard, Raymond H Portrait My 201	
Chemists. D 329, Je 314 Electrical Engineers. Le 316 Abstracts of Papers, May 5 Meeting Je 316 Physical Society, Division of High Polymer Physics. N 203, Ja 435, Ma 695 Forum—Abstracts of Papers. Ja 435 Rubher Research Institute. N 189	"Acetylene and Carbon Monoxide Chemis-	N 201, Ja 440, Ma 695, My 193, Je 316, Au 551 Buist, J. M. and H. Geldof
Abstracts of Papers, May 5 Meeting Je 316	Maurice H. Bigelow Ma 730	Comparison of Crescent and Delft Methods of Measuring Tear Strength. Je 291 Burchfield, Paul E. Portrait Au 570 Buta Reds Nos. 1 and 2—Burgess Offers New Pigments. Ap 71 Butyl, see Synthetic Rubbers
Physical Society, Division of High Polymer Physics N 203, Ja 435, Ma 695	"American Cotton Handbook"	Buta Reds Nos. 1 and 2—Burgess Offers New
Forum—Abstracts of Papers	H. R. Mauersberger Ma 730 "Chemical Inventions and Chemical Pat-	Pigments
SOCIETY FOR TESTING MATERIALS Committee D-11 Spring Meeting Ap 67	ents"	
SOCIETY FOR TESTING MATERIALS Committee D-11 Spring Meeting. Ap 67 Annual Meeting Au 546 Subcommittee 12, Natural Rubber	BOOK REVIEWS  "Acetylene and Carbon Monoxide Chemistry"	Cable, Electrical, Applications of Neoprene and "Cold Rubber" in C. E. Huxley Ma 676
D-13	Edited by H. R. Kruyt Ap 114	Industry, Wire and, Recent Developments
OF MECHANICAL ENGINEERS Rubber and Plastics Division	ond Edition Wilbur G. Hudson Au 597	Cable, Electrical, Applications of Neoprene and "Cold Rubber" in C. E. Huxley Ma 676 Industry, Wire and, Recent Developments in Cabot, Thomas D. Portrait Ma 705 Calendar of Coming Events O 80, N 225, D 366, Ja 441, F 557, Ma 695, Ap 86, My 188, Calender, Plastics, and Its Auxiliary Equipment, The Monday Agrangement, The Monday Agrangement, The Thomas J. Kerr S Calenders and Presses, Fluid Heating and High-Temperature Cooling of Paul L. Geiringer
Rubber and Plastics Division 8 690 N 202, Ja 432, S 690	Les" J. le Bras, A. Delalande My 224	Ja 441, F 557, Ma 695, Ap 86, My 188,
STANDARDS ASSOCIATION, INC.	"Derives Chimiques du Caoutchouc Naturel, Les"	Calender, Plastics, and Its Auxiliary Equip-
enders	"Engineering Laminates"Ma 730	Calenders and Presses, Fluid Heating and High-
Amine, Good-rite, New	"Frontiers in Chemistry," Volume 8	11 490
Andrews, John	"Fundamentale of Synthetic Polymer Tech-	ty Code for
ing Tear Resistance, TheF. L. Graves Au 534 Inti-Webbing Agent, Latex—Webnix #33Il 435	mology in Its Chemical and Physical Aspects  "Handbook of Chemistry," Seventh Edited by Norbert A. Lange D 359  "House of Goodyear," 1949 Edition.	Rubber Mills and, ASA Adopts New Safety Code for
Intioxidant, New, Wing-Stay S	"Handbook of Chemistry," Seventh Edition  Edited by Norbert A. Lange D 359	Dispersion Characteristics of Effect of
Quality Control. N 202, Ja 432, S 690 Quality Control. Ap 68 STANDARDS ASSOCIATION, INC. Safety Code for Rubber Mills and Calenders. N 202 Amine, Good-rite, New	"House of Goodyear," 1949 Edition	Mechanical Aggregation on the E. M. Dannenberg, M. E. Jordan, C. A. Stokes S 663
	"Industrial Chemistry," Fifth Edition E. Raymond Riegel My 224	Mechanical Aggregation on the E. M.  Dannenberg, M. E. Jordan, C. A. Stokes S 663  Effect of, on Heat Transfer Characteristics of  Vulcanizates L. R. Sperberg, Lynn  Harbison, J. F. Svellik Au 536
Panel Discussion on Extrusion Ap 54 Neoprene and "Cold Rubber" in Electrical Cable	"Rheology and Rheological Structures" Henry Green F 604	Harbison, J. F. Svellik Au 536
rgentina, Rubber Trade In	"Kaolin Clays and Their Industrial Uses"	Fully Reinforcing, in Synthetic and Natural Rubbers, High-Temperature Mixing of —II. Isaac Drogin, Hester R. Bishop, Paul
ical Engineers, Inc	"Meet the Plastics," Clark N. Robinson Ja 473	Wiseman O 57

PAGES	PAGES	I	AGE
CAREON BLACK Hot House, Richardson's Experimental	CORNELL, D. H., AND J. R. BEATTY Laboratory Testing Rubber Bearings N 185, D 309	EDITORIALS Maybe It Is Later Than We Think!	
Hot House, Richardson's Experimental SAP Black, Phillips New Au 550 Statistics O 119, Ja 415, Ap 122, Au 604 Cardohite Plasticizer, New Je 319 Carlson, C. R. H Portrait Ma 713 Casting, Molding and, Processes Using Rubber Latex C. Nokes F 544 Cells, Load and Pressure, New No. 203 No. 12623—New Adhesive for Butyl D 324 Cevlon, Rubber Trade in O 106, D 308, Ma 726	COPPECTORS HARD WATER	President's Rubber Recommendations Too	Э.
Statistics O 119, Ja 415, Ap 122, Au 604	CORRECTORS, HARD WATER Sprex AC	Restrictive Problem of Improved Grading and Specifica	. 16
Carlson, C. R. H. Portrait Ma 713	CORRIGENDA	tions for Natural Rubber, TheMy Quality and Uniformity of Compounding	Z.
Casting, Molding and, Processes Using Rubber Latex 5. C. Stokes F 544	Effect of Die Surface Irregularities upon the Results of the Tensile Test for Vulcanized Rubber, The	Ingredients	7
Cells, Load and Pressure, New	Rubber, The	Policy Again a Major Problem	07
No. 12623—New Adhesive for Butyl D 324	Experimental ResultsR. G. Newton D 303	Supply and Price Squeeze Support De-	20
Ceylon, Rubber Trade in O 106, D 308, Ma 726 Chalmers, Douglas	D 366, Ja 478, F 612, Ma 736, Ap 120,	Season's Greetings	31
Practical Aspects of Factory Scorch Con- trol O 15	Experimental Results R. G. Vecton D 303 Cotton Market and Fabrics, O 122, N 240, D 366, Ja 478, F 612, Ma 736, Ap 120, My 232, Je 360, Jl 474, Au 602, S 730 Course, Elastomer Colloid Chemistry, Hauser	Supply and Price Squeeze Support De- mand for More Synthetic Production Je Season's Greetings. D Too Little and Too Late, Again?	54
trol. O 15 Characteristics, Heat Transfer, of Vulcanizates, Effect of Carbon Black on . L. R.	to Give	May Work Out Better Than Expected Jl Where Do You Stand?	68
Sperberg, Lynn Harbison, J. F. Svellik Au 536	Statistical Quality Control, in My 210	Why No Standard-Type Classification and Standard Specifications for Low-Tempera-	00
Cuert, Chlorine Properties	to Give F 584  Laboratory, Summer My 195  Statistical Quality Control, in My 210  Cowen, Robert Portrait Jl 445  Craig, Allen Portrait Je 386  Crean, R. B. Portrait Au 560  Crescent and Delft Methods of Measuring  Tear Strength, Comparison of  J. M. Buist, H. Gddof Je 291	ture GR-S?	6
AE-1—New Monsanto	Crean, R. B	Effect of Carbon Black on Heat Transfer Char- acteristics of Vulcanizates L. R. Sperberg,	
INSTITUTE OF CANADA	Tear Strength, Comparison of J. M. Buist, H. Geldof Je 291	acteristics of Vulcanizates L. R. Sperberg, Lynn Harbison, J. F. Svetlik Au Mechanical Aggregation on the Dispersion	530
Abstracts of Papers My 192	Sensimon for Determining Tors Busistance	Dannenberg M F Jordan C A Stokes S	66
D 324, Ja 440, F 559, Ma 694, Ap 69,	Crude Rubber Markets O 120, N 240,	Egerton, Henry C Portrait Ji	44
Abstracts of Papers My 192, 11 403  Abstracts of Papers My 192  Section, Ontario Rubber N 216, D 324, Ja 440, F 559, Ma 694, Ap 69, Je 316, Jl 436, Patents O 90, N 220, D 344, Ia 462, F 588, Ap 88, Au 580, S 705, Chemicals, Good-rite, New O 79  Chemistry, Elastomer Colloid, Course, Hauser	The Angle 7s. the F. L. Grares Au. 534 Crude Rubber Markets . O. 120, N. 240, D. 364, Ja. 476, F. 610, Ma. 734, Ap. 118, My. 230, Je. 358, Jl. 472, Au. 602, S. 728 Cuba, Rubber Trade in Ma. 679 Curved Shapes, Extrusion of Au. 545 Custom Recipe at 41° F., Evaluation of Various Mercantans in the Low-Temperature Rub-	Egerton, Henry C. Portrait JI Eide, Alwin C. Portrait JI Elastomers at Extreme Low Temperatures, Test Methods for Robert F. Shaw JI	40
F 588, Ap 88, Au 580, S 705 Chemicals, Good-rite, New O 79	Curved Shapes, Extrusion of		
Chemistry, Elastomer Colloid, Course, Hauser to Give F 584	Custom Recipe at 41° F., Evaluation of Various Mercaptans in the—Low-Temperature Rub-	Embossing Designs Library Ja Emulsion, Mold Release—DC Mold Release	42
CHENEY, GRANT W.	berJ. E. Troyan, C. M. Tucker O 67, N 190	No. 35B	31
Polystyrene Ja 425, F 551	D	Embossing Designs Library Ja Emulsion, Mold Release—DC Mold Release No. 35B Jesuis Jes	31
Chemistry, Elastomer Colloid, Course, Hauser to Give to Give F 584 CHENEY, GRANT W. Some Notes on the Injection Molding of Polystyrene Ja 425, F 551 Chicago Rubber Group D 323, Ja 440, Ma 693 Chlorine Properties Chart JB 458 Circulars, Rubber Reserve	Dannenberg, E. M., M. E. Jordan, C. A.	and Its	67
Chlorine Properties Chart	Effect of Mechanical Aggregation on the	Ricinoleate S-1153Je	34:
F 549, Ap 71, Au 553, S 691	Dispersion Characteristics of Carbon Black Select of Mechanical Aggregation on the Dispersion Characteristics of Carbon 8663 Davis, A. H. Portrait N 201 Robert L. Portrait F 556 Day, Wm. Portrait My 199 DC Mold Release Emulsion No. 35B Je 314	Equipment, Auxiliary, The Plastics Calender and Its. Thomas J. Kerr S Ester, Fatty Acid, New—Glyceryl (Mono) Ricinoleate S-1153. Je Ethylene Trithiocarbonate—New Sulfur Compound. Au Europe, Rubber Industry in. N 230, D 354, Ja 470, F 599, Ap 109, My 216, Je 349, L 463, Au 590, S	55
Richardson's Experimental Carbon Black	Robert L	Europe, Rubber Industry in	
Clark, C. Todd Portrait F 556	Day, Wm. Portrait My 199 DC Mold Release Emulsion No. 35B Je 314	JI 463, Au 590, S	715
chines, Spreaders Wm. R. Kent Je 295		Evaluation of Various Mercaptans in the Cus- tom Recipe at 41° F.—Low-Temperature	
Pabric, Plastics in D. S. Plumb Ap 62	Comparison of Crescent and  J. M. Buist, H. Geldof Je 291	Rubber.  J. E. Troyan, C. M. Tucker O 67, N Physical, of Foamed Latex Sponge	196
Protective—Kem-Ban	Derivative, Hydrophobic Starch—Dry-Flo. F 559	F. S. Conant, L. A. Wonter N	16
Richardson's Experimental Carbon Black Hot House. Je 313 Hark, C. Todd. Pertrait F 556 Doaters, Roll, Combining and Doubling Machines, Spreaders Wm. R. Kent Je 295 oating Emulsions, Rhoplex N 199 Fabric, Plastics in D. S. Plumb An 62 Protective—Kem-Ban D. Ylumb An 62 Protective—Kem-Ban Portrait D 350 Cochran, Doug C. Portrait D 350 Cochran, David Duke Portrait Jl 448 Cold Rubber, "see Synthetic Rubbers, GR-S Collyer, Harry Collors, MINERAL, BURGESS Buta Reds Nos. 1 and 2 Ap 71 Neo Brown Ap 71 Neo Brown Ap 71 Dombining and Doubling Machines, Spreaders, Roll Coaters. Wm. R. Kent Je Comes, D. A. Portrait My 180 Rubber Mixing Machinery—the Banbury My 178 Denal Dicembine Mixing Machines, Portrait My 180 Rubber Mixing Machinery—the Banbury My 178 Denal Dicembine Mixing Machines, Page 197 Denal Dicembine Mixing Machinery—the Banbury My 178 Denal Dicembine Mixing Machines, Page 197 Denal Dicembine Mixing Machinery—the Banbury My 178 Denal Dicembine Mixing Machines, Page 197 Denal Dicembine Mixing Machinery—the Banbury My 178 Denal Dicembine Mixing Mix	Depolymerized Rubber, Use of Ap. 69 Derivative, Hydrophobic Starch—Dry-Flo. F. 559 Designs, Embossing, Library Ja 429 Detergents, Laboratory, New—Wyandotte Dural H and M Ap. 70 Detroit Rubber & Plastics Group, Inc.	Experimental Carbon Black Hot House, Richardson's E. J. Claassen Je	313
'Cold Rubber,' see Synthetic Rubbers, GR-S		ardson's E. J. Claassen Je GR-S Polymers and Latices, Additional F 549, Ap 71, Au 553, S	69
Colors, Mineral, Burgess	N 203 la 439 F 558 An 70 Au 550 S 691	Results, A Note on a Fallacious Method of Comparing	30
Neo Brown	DETWILER, JOSEPH S. Time as a Process Variable	Expositions	70
P O S J Brown	Development of the Industry, A Review of the Whipped Foam Rubber Process and	Expositions	58
Roll Coaters Wm, R. Kent Je 295 Comes, D. A. Portrait Mv 180	G. H. McFadden Ja 419 Developments, Recent, IN Canyas and Waterproof Footwear Je 300	Industries	21
Rubber Mixing Machinery—the Banbury My 178		Motor Boat Show, National	700
Panel Discussion on Mixing My 180	Industrial Molded Products   Je 300	Packaging	71:
Panel Discussion on Mixing	Physics of Rubber S. D. Gehman Ap 60	Plant Maintenance Show D 323, Au	553
Crude Rubber Market, O 120, N 240, S 364,	Rubber Powder	Power, National	55
Outhor Depth of the Crude Rubber Market, O 120, N 240, S 364, Ja 476, F 610, Ma 734, Ap 118, My 230, Je 358, Jl 472, Au 602, S 728 Elections F 572, Je 338	Tire Industry in 1949, in the	Premium & Advertising Specialties N Safety Convention and My	200
Elections F 572, Je 338	Wm. F. Perkins, Harold Gray Jl 419 Wire and Cable Industry R. A. Schatzel Ap 57 Diallylcyanamide—New Cyanamid Chemical	Toy Fair, American Ap Trade Fair, International Ja Transportation Fair, World My Western Sporting Goods Dealers Assn. D	45
Comparing Experimental Results, A Note on a Fallacious Method of R. G. Newton D 303 Comparison of Crescent and Delft Methods of	1) 524	Transportation Fair, World	338
Measuring Tear Strength, J. M. Buist,	Diox 7—Polymerization Accelerator	Extreme Low Temperatures, Test Methods for Elastomers at Robert F. Shaw J1	49
Ompound, Molding, Durez, New Ja 430 Silicone—G-E 12810 Ap 71	Effect of Mechanical Aggregation on the E. M. Dannenberg, M. E. Jordan,	Extrusion and Application of Extruders	
Sulfur, New-Ethylene Trithiocarbonate, Au 552	C. A. Stokes S 663	Panel Discussion on	54
Developments, Recent, in the Field of	Dispersites—Adhesives for PolyethyleneO 80	Panel Discussion on A. Heston App Panel Discussion on A. Deston App Controversial Points on H. E. Bucken Je Letter to the Editor Au Needs M. S. Greenhalgh Au Of Curved Shapes Au	544
4 E Inne Ap 50	Dividends Declared O 122, N 242, D 376, Ja 458, F 582, Ma 716, Ap 122, My 210, Je	Needs M. S. Greenhalgh Au Of Curved Shapes	541
Incredients Prices, O 88, N 244, D 368, Ja 478, F 594, Ma 738, Ap 122, My 232, Je 362, Jl 474, Au 604, S 732	342. II 408. Au 0/4. S /04	F	
Low-Temperature UK-5 with a New Fine-	Doede, C. M	Fabric Coating, Plastics inD. S. Plumb Ap Factory Scorch Control, Practical Aspects of	62
Particle Silica F. W. Gage, Ralph F. Wolf Ma 669	Drew, Phil. Portrait F 558 Drogin, Isaac, Hester R. Bishop, Paul	Douglas Cnaimers O	91
Compounds, Hycar-Phenolic, New Ja 429 Polymer, at Various Temperatures, Rebound	WISEMAN High-Temperature Mixing of Fully Rein-	Fallacious Method of Comparing Experimental Results, A Note on a R. G. Newton D	303
Characteristics of	forcing Carbon Blacks in Synthetic and	Far East, Rubber Industry in O 102, D 304, 308, F 543, Ma 722, My 177, Je 320, J1 438, Au 533, 594, S	
ber and Synthetic Rubber Vulcanizates	Natural Rubbers—IIO 57 Dry-Flo—Hydrophobic Starch Derivative F 559		
J. R. Beatty, A. E. Juve F 537 CONANT, F. S., and L. A. WOHLER Physical Evaluation of Foamed Latex	"Dutch Boy" Plumb-O-Sils C and D-New	America	426
Physical Evaluation of Foamed Latex	Vinyl Stabilizers	Fatty Acid Ester, New-Glyceryl (Mono)	499
Sponge Conference, MIT, on Properties of Plastics, Au 542	Dyphos, "Dutch Boy" -Vinyl Stabilizer J1 433	America Jass, Reinforcement of Foam Rubber, Glass, Reinforcement of Foam Rubber, Research of Foam Rubber, Research of Research of Foam Rubber, Research of Researc	201
Of Rubber Properties, IRI One-DayJa 440 Connecticut Rubber Group	E	B. Bennett, G. H. McFadden, J.F. Lyman S	672
N 203, D 324, Ma 685, Je 319 Control, Pactory Scorch, Practical Aspects of	Eakin, John V	Fiber, Glass, Reinforcement of Foam Rubber  B. Bennett, G.H. McFadden, J.F. Lyman S  Staple, New Name for—Dynel	$\frac{324}{551}$
Douglas Chalmers O 51	N 208, D 328, Ja 448, F 566, Ma 704, Ap 75, My 199, Je 324, H 444, Ap 560, S 606	Fielding, J. H	685
Statistical Quality, Course in My 210 ontrolling Heat Losses in Molding Operations,	EDITORIALS	As Liner Material	433
The Importance of	Fifth Round of Wage Increases, The S 674 "Fighting Fifties, The"? Ja 424 Improved Quality, Not Government Edict	Reet	545
ontroversial Points on Extrusion H. E. Buecken Je 306	the Answer to Increased American Natural	Reet	
Letter to the Editor Au 544	Rubber Use O 71	Finish, Teflon Mold Release	$\frac{704}{557}$
ooling, High-Temperature, for Calenders and Presses, Fluid Heating, Paul L. Geiringer Jl 429	Is Maginot Line-Type Security in Synthetic Rubber Enough?	Pirestone, Leonard K Portrait D	318

PAG	GES	PAGES	1	AGE
Flame-Retarding Plastic, Rulan Au	545 202	Heel, Sole and, Industry, Recent Develop- ments in the	Kenflex Plasticizer	69
Flexol Plasticizer, New N Flintkote Cement—New N Fluid Heating and High-Temperature Cooling	203	ments in the fe 299 Henderson, B. W. Portrait Ma 705 Hestra A I Portrait A 50	KENT. WM. R.	
Fluid Heating and High-Temperature Cooling		Heston, A. L	Spreaders, Roll Coaters, Combining and Doubling Machines Je	29
for Calenders and Presses.  Paul L. Geiringer Jl 4	429	Panel Discussion on	KERR, THOMAS J. Plastics Calender and Its Auxiliary Equip-	
Foam Rubber, Glass Fiber Reinforcement of B. Bennett, G. H. McFadden, J.F. Lyman S 6	672	Comment Date of the Date of the State of the	ment, The	67
Whipped, Process, and Development of the Industry, A Review of the		C. R. Holt, A. G. Susie, M. E. Jones Ja 416	Corrigenda: The Effect Of Die Surface Irreg-	et.
G. H. McFadden la 4	419	"8000" C. R. Holt, A. G. Sasie, M. E. Jones Ja 416 Temperature Cooling for Calenders and Presses, Fluid Heating and Paul L. Geiringer Jl 429	ularities upon the Results of the Tensile	3
Foamed Latex Sponge, Physical Evaluation of F. S. Conant, L. A. Wohler N 1	179	Paul L. Geiringer J1 429	Test for Vulcanized Rubber D Korea, Rubber Trade in	543
Footwear, Canvas and Waterproof, Industry,	200	Mixing of Fully Reinforcing Carbon Blacks in Synthetic and Natural Rub-	Koresin Tackifier AvailableS	689
Recent Developments in the Je 3 Rubber, The Manufacture of	100	bers-II	L	
Rubber, The Manufacture of  W. E. Glancy Au 5  Sole and Heel Industry, Recent Develop-	529	Mixing of Fully Reinforcing Carbon Blacks in Synthetic and Natural Rub- bers—II. Isaac Drogin, Hester R. Bishop, Paul Wiseman O 57 Hochberg, L. D. Portrait D 336 Holland, see Netherlands Holl. C. R., A. G. Susie, M. E. Jones New High Styrene Reinforcing Resin, A—Marbon *8000" Ja 416 Everett G. Portrait Ma 713 Hong Kong, Rubber Trade in Ma 728 Hot House, Richardson's Experimental Carbon Black. F. J. Claassen Je 313	Labbe, B. G. Rebound Characteristics of Polymer Com-	
Sole and Heel Industry, Recent Developments in the	299	Holland, see Netherlands	pounds at Various Temperatures F	547
Foreign Trade Opportunities O 132, Ap 96, Au 5 41° F. Rubber, see Synthetic Rubbers, GR-S	076	New High Styrene Reinforcing Resin,	Laboratory Detergents, New-Wyandotte Dural H and M Ap Testing Rubber Bearings. J. R. Beatty, D. H. Cornell N 185, D.	70
("Cold Rubber")	70	A-Marbon "8000" Ja 416 Everett G. Portrait Ma 713	Testing Rubber Bearings	300
Fox, Matthew S. Portrait F 5 Praction, Low-Molecular-Weight, of Guayule Rubber, A. J. W. Meeks, T. F. Banigan, Jr., R. W. Planck Je 3	112	Hong Kong, Rubber Trade in	Lacquers, New Vinyi Plastisois and	188
Rubber, A J. W. Meeks,	301	Black E. J. Claassen Je 313 House, Hot, Richardson's Experimental Car-	Accelerator, New-MeracJ1	436
France, Rubber trade in		House, Hot, Richardson's Experimental Car- bon Black F. J. Claussen Je 313	Accelerator, New—Merac JI Anti-Webbing Agent—Webnix #33 JI Molding and Casting Processes Using Rub- ber S, C, Stokes F	433
N 230, F 568, 599, My 218, S 7	12	bon Black E. J. Claassen Je 313 Hungary, Rubber Trade in Ja 472 Hutchinson, R. E. Portrait N 210	ber S. C. Stokes F	544
		HUXLEY, CARL E.	ber. S. C. Stokes F Neoprene, New, for Paper Type 735. Ma Sponge, Foamed, Physical Evaluation of F. S. Conant, L. A. Wohler N	693
GAGE, F. W., RALPH F. WOLF, E. M. ALLEN		Applications of Neoprene and "Cold Rubber" in Electrical Cable		
Compounding of Low Temperature GP-S		flyatt Award, Powell Receives	perimental. F 549, Ap 71, Au 553, S Market. O 120, N 240, D 364, Ja 476, F 610, Ma 734, Ap 118, My 230, Je 358, Jl 472, Au 602, S	691
with a New Fine-Particle Slica . Ma 6t Gardner, K. C	84	Hycar, see Synthetic Rubbers Hydrophobic Starch Derivative—Dry-Flo F 559	Market O 120, N 240, D 364, Ja 476, F 610, Ma 734, Ap 118, My 230, Je 358.	
Gates Technical Club	02		J1 472, Au 602, S	728
		I	Latin America, Rubber Industry in Ma	679
pounds. Ja 4: 12810—Silicone Molding Compound Ap	$\frac{29}{71}$	Improvements for Injection Molding Machines, Some Suggested. Elmer E. Mills Ap 64 Improving the Packaging of Natural Rubber, A Means for	Small-Farm Rubber Production in JI	426
Siloi-Suicone Moid Lubricant	59	Improving the Packaging of Natural Rubber,	Leather, Rubber ImpregnatedD	324
Gehman, S. D. Recent Developments in the Physics of Rub-		A Means for J. C. Roberts Ma 678 India, Rubber Trade in O 110 D 313 Ma 724	Legal D 325, Ja 446, F 563, Ma 701, Au 556, S Letters to the Editor N 189, Au	695 544
ber	60	WORLD, Editorial Advisory Board, Changes	Liberia, Rubber Trade in F	572
Fluid Heating and High-Temperature Cool-	20	in Ja 441 Statement of O 80	Lindner, G. F. Portrait N	201
ing for Calenders and PressesJ1 42 GELDOF, H., J. M. BUIST AND		Statement of	Litchfield Paul W Portrait Au	433 566
Comparison of Crescent and Delft Methods	0.1	Je 321, Au 554, 594, S 695	Load and Pressure Cells, New	203
Comparison of Crescent and Delft Methods of Measuring Tear Strength. Je 29 Geon for Plating Racks. D 31	17	INDUSTRY RUBBER, RECENT DEVELOPMENTS IN	Small-Farm Rubber Production in II Lawrence, H. Logan Portrail O Leather, Rubber Impregnated D Legal D 325, Ja 446, F 563, Ma 701, Au 556, S Letters to the Editor N 189, Au Liberia, Rubber Trade in Fubrary, Embossing Designs Ja Lindner, G. F. Portrail N. Liner Material. Polyethylene Film as JI Litchfield, Paul W. Portrail N. Load and Pressure Cells, New N Lockwood, Warren S Portrail N. Loskwood, Warren S The O 79, D 319, F 558, Ma 694, My 194, J1 434, Au 551, Lossee, Heat, in Molding Operations, The Im-	000
Rigid Molding My 11 Resin, Improved—101 EP Ap 7 200 x 20—Soluble Vinyl Resin Je 31	18 70	Canvas and Waterproof Footwear Indus-	D 319, F 558, Ma 694, My 194, J1 434, Au 551, Losses, Heat, in Molding Operations, The Im-	552
200 x 20—Soluble Vinyl ResinJe 31	12	Field of Compounding A. E. Juve Ap 59	portance of Controlling	
Germany, Rubber Trade in N 232, D 357,	19	try. Je 300 Field of Compounding. A. E. Juve Ap. 59 Industrial Molded Products. Je 300 Physics of Rubber. S. D. Gehman Ap. 60	R. E. Shrader, W. N. Keen Ja	413
German Patent Requests, Guide to Je 31 Germany, Rubber Trade in N 232, D 357, F 601, Ap 109, My 220, S 71 GILMAN, LUCIUS, SYDNEY AXELROD, WM. J.	18	Reclaimed Rubber M. Ball Ap 58 Sole and Heel Industry Je 299 Wire and Cable Industry	Molecular-Weight Fraction of Guayule Rub-	
FOWERS		Wire and Cable Industry Je 299	ber, A. J. W. Meeks, T. F. Banigan, Jr., R. W. Ptanck, Je	301
Use of Polyethylene in Contact with Rubber, The	74	R. A. Schatzel Ap 57 Thermoplastics, Polystyrene—the Work	Temperature GR-S, Compounding of, with Fine-Particle Silica E. M. Allen, F. W. Gage, Ralph F. Wolf Ma	
GLANCY, W. E. Manufacture of Rubber Footwear, The Au 52		Horse of the	F. W. Gage, Ralph F. Wolf Ma	669
Glass Fiber Reinforcement of Foam Rubber		W. C. Goggin, G. B. Thayer O 72, N 194 Tire, in 1949, Developments in the	Rubber—Evaluation of Various Mercap- tans in the Custom Recipe at 41° F.	
Bailey Bennett, G. H. McFadden, J.F. Lyman S 67	72	Wm, F. Perkins, Harold Gray J1 419 Whipped Foam Rubber Process and Devel-	J. E. Troyan, C. M. Tucker O 67, N.	190
Glyceryl (Mono) Ricinoleate S—Improved Pigmented Latices	90	opment of the, A Review of the	Use, Silicone Rubbers for	101
New Fatty Acid. Je 34 Goggin, Wm. C. Portrait Ja 44	41	G. H. McFadden Ja 419 Wire and Cable, Recent Developments in the	Lubricant, Silicone Mold—G. E. 81161.  Lubricant, Silicone Mold—G. E. 81161.  Luxembourg, Rubber Trade in D. 358, F.  Lyman, J. F., Bailey Bennett, G. H. Mc-	559
THAYER, G. B., AND Polystyrene—the Work Horse of the Ther-		R. A. Schatzel Ap 57 Injection Molding Machines, Some Suggested	Luxembourg, Rubber Trade in D 358, F	574
moplastic industry	94	Improvements for Elmer E. Mills Ap 64 Of Polystyrene, Some Notes on the	FADDEN	
Good-rite Amine, New Ma 70 Chemicals, New O 7	79	Of Polystyrene, Some Notes on the	Glass Fiber Reinforcement of Foam Rubber S	672
Chemicals, New O 7 GP 261, Improved Plasticizer Ma 73 GP 233—New Vinyl Plasticizer Ap 6	36 66	Grant W. Cheney Ja 425, F 551 Institute, American Rubber Research. N 189	M	
GR-S, see Synthetic Rubbers GRAVES, F. L.	0.0	Instrumentation, Symposium on S 690 Israel, Rubber Trade in My 202 Italy, Rubber Trade in F 600	Machine, Injection, 200-Ounce	433
Angle vs. the Crescent Specimen for De-		Italy, Rubber Trade in F 600	Ja 466, F 594, Ap 90, Au 582, S	707
termining Tear Resistance, The Au 53	34	J	Rubber Mixing—the Banbury D. A. Comes My	178
GRAY, HAROLD, WM. F. PERKINS AND Developments in the Tire Industry in 1949		Japan, Rubber Trade in O 56, Ma 722	D. I Discourse Minimum Minimum	190
Great Britain, Rubber Trade in	19	Johnson, Charles S Portrait Au 570	Agitator, Movable Heavy-DutyJl	427
Great Britain, Rubber Trade in	1.6	Jones, D. E	Bin, Feeding, with Pulsating PanelsJe	671
GREENHALGH, M. S.			Cutter, Floor TileAp	98
Extrusion Needs	11	New High Styrene Reinforcing Resin, A—Marbon "8000" Ja 416  Jordan, H. J. Potrail D 318  M. E., C. A. STOKES, E. M. DANNENBERG  Effect of Mechanical Aggregation on the Dispersion Characteristics of Carbon  Black	StripS	708
Fraction of	.1	M. E., C. A. STOKES, E. M. DANNENBERG	Cutting Block	352 469
1. F. Banigan, Jr., R. W. Planck Je 50	11	Effect of Mechanical Aggregation on the	Forms, Glove, Porcelain	188
		BlackS 663	Thickness, ContinuousJl	460
Haldane David D Portrait F 57	70)	Black S 663  Juve, A. E. Portrait N 201  Recent Developments in the Field of	Granulator, Plastics	350
Haldane, David D	37	CompoundingAp 59	High-Frequency Ap	100
SPERBERG		Beatty, J. R., and Stress Relaxation of Some Rubber and	Injection Molder, New Au Molding Improved	586 586
Effect of Carbon Black on Heat Transfer	10	Synthetic Rubber Vulcanizates in Compression F 537	Some Suggested Improvements for	6.1
Characteristics of VulcanizatesAu 530 HARD WATER CORRECTORS		Compression	Joint, Swivel PipeJa	423
Sprex ACF 58-	14	_	Mixer, Laboratory	$\frac{212}{212}$
Havens, F. B. Portrait S 70:	3	K	Agener Discussion on Mixing Machines and Appellances, New Agitator, Movable Heavy-Duty Jl Bin, Feeding, with Pulsating Panels Je Controls, Speed, Automatic Scutter, Floor Tile Ap Rubber Cushion D Strip St	98
portance of Controlling		Kalabond RM 2—General Tire Adhesive. Ja 438 Keen, W. N	Presses Embossing-Polishing	227
R. E. Schrader, W. N. Keen Ja 41:	3	Keen, W. N. Portrait Ja 435 SHRADER, R. E., AND Portrait Ja 435 Limportance of Controlling Heat Losses in	Gold Stamping Ap	102
Effect of Carbon Black on L. R. Sperberg,		Importance of Controlling Heat Losses in Molding Operations, TheJa 413	Mechanical Goods	214
Sprex AC. F 58. Supreme F 58. Havens, F. B. Postrait S 768. Heat Losses in Molding Operations, The Importance of Controlling.  R. E. Schrader, W. N. Keen Ja 418. Transfer Characteristics of Vulcanizates, Effect of Carbon Black on L. R. Sperberg, Lynn Harbison, J. F. Szelik Au 536. Heating, Pluid, and High-Temperature Cooling for Calenders and Presses	6	Kel-F Prices Reduced An 66	Plastic Sheet Au 5	98
		Suspensoid. Ja 430 Kem-Ban—Protective Coating. F 559 Kendall, Paul. Portrait Ma 707	PRESSES	188
Paul L. Geiringer Jl 429	e)	Kendall, Paul	Kotary, NewJe	346

	PAGES	
Machines and Appliances, New Pumps for Creamed and Centrifuged Latex Refractometer, Controlling. Sitting Machine, Roll. Spinner, Rayon. Spreaders, Roll Coaters, Combining Doubling. Doubling. Wm. R. Ken. Still, Water, Laboratory Tester, Abrasion. Improved. Aging, Ozone. Brittle Point. Latex Stability. Testing Machine, Die. Universal. Trimming Machine, New. Valve, Accumulator Safety. Improved.		
Latex	Ma 720	
Refractometer, Controlling	Ap 100	
Spinner, Rayon	.J1 462	
Spreaders, Roll Coaters, Combining	and	
Still, Water, Laboratory	Ap 98	
Tester, Abrasion	Ma 718	
Aging, Ozone	Au 586	
Brittle Point	. N 226	
Testing Machine Die	Au 586 My 189	
Universal	Ja 486	
Valve Accumulator Safety	. JI 462	
Improved	.D 352	
Solenoid, New	F 595	
Wind-up Unit, Automatic	Ma 720	
Malaya, Rubber Trade in O 102, D 3	04,	
Valve, Accumulator Safety, Improved. Solenoid, New Welder, Hand, Plastics Wind-up Unit, Automatic. Malaya, Rubber Trade in	od-	
uet	Ap 70	
Manufacture of Rubber Footwear. The	Au 570	
Maleo-Pimeric Acid—New Naval Stores Pruct. Malm, Frank S. Portrail Manufacture of Rubber Footwear, The W. E. Glancy Manufacturing Chemists' Association, Law	Au 529	
A. 545	C 801	
forcing Resin	olt,	
A. G. Susie, M. E. Jones MARKETS AND PRICES	Ja 416	
Compounding Ingredients O 88, N 2	44,	
232, Je 362, J1 474, Au 604	My , S 732	
Cotton and Fabrics. O 122, N 240, D 3- Ia 478, F 612, Ma 736, Ap 120, My 2	66, 32	
Je 360, Jl 474, Au 602,	S 730	
Ja 476, F 610, Ma 734, Ap 118, My 2	30,	
Latices	. S 728 64,	
Ja 476, F 610, Ma 734, Ap 118, My 23	30, S 728	
Rayon O 122, N 242, D 366, Ja 4 F 612, Ma 736, Ap 120, My 232, Je 30	78. 60.	
Reclaimed Rubber 0 120 N 240 D 34	S 730	
Ja 476, F 610, Ma 734, Ap 118, My 2: Je 358, Jl 472, Au 602	30, , S 730	
MARKETS AND PRICES  Compounding Ingredients	64, 30, S 728	
Marvinol, New Easy-Processing	Лу 188	
Postwar Agricultural Production and Processing of Natural Rubber	ro- dy 171	
McFadden, G. H. Review of the Whipped Foam Rubber Pr	ro-	
cess and Development of the Industr	Ja 419	
Bennett, Bailey, J. F. Lyman Glass Fiber Reinforcement of Foam Ru	b-	
McNabb, F. L. Portrait M	S 672	
Means for Improving the Packaging of Natur	ral	
ber McNabb, F. L. Portrait Means for Improving the Packaging of Natur Rubber, A. C. Roberts Measuring Tear Strength, Comparison	of of	
Crescent and Delit Methods of	le 291	
Means for Improving the rackaging of Natural Rubber, A J. C. Roberts A. Measuring Tear Strength, Comparison Crescent and Delif Methods of Glodof Mechanical Aggregation on the Dispersic Characteristics of Carbon Black, Effect E. M. Dannenberg, M. E. Jordo C. A. Nokes, Rubber Goods, Recent Developments in Meeks, I. W. T. P. Banigan, I. R. R. W.	on of	
C. A. Stokes	S 663	
	0 75	
Rubber, A	Je 301	
Mercaptans, Evaluation of Various, in the Cu	JI 436	
tom Recipe at 41° F Low-Temperatu	re	
Rubber J. E. Troyan, C. M. Tucker O 67, Metal Rubber-to Adhesive	N 190 Ia 438	
Metallic Finish Upholstery-Naugalite	Ja 429	
Methods of Measuring Tear Strength, Con	n-	
parison of Crescent and Delft  J. M. Buist, H. Geldof	Te 291	
Test, for Elastomers at Extreme Low Ter	n- II 491	
Microscopy, Electron, Uranium in	fa 716	
Millane, Thomas F Portrait	0 86	
Low-Molecular-Weight Fraction of Guayu Rubber A.  Merac—New Latex Accelerator.  Mercaptans, Evaluation of Various, in the Cutom Recipe at 41° F.—Low-Temperatu Rubber J. E. Troyan, C. M. Tucker O 67, Metal, Rubber to, Adhesive Metalic Finish Upholstery.—Naugalite.  Metals, Plastics Replace  Methods of Measuring Tear Strength, Corparison of Crescent and Delit Test, for Elastomers at Extreme Low Ter Epitality of Test, for Elastomers at Extreme Low Ter Microscopy, Electron, Uranium in Millane, Thomas F. Rubber, ASA Adop New Safety Code for.	N 202	
Some Suggested Improvements for Inje	C-	
tion Molding Machines	p 64	
Mixing, High-Temperature, of Fully Reinfor	tu 542	
ing Carbon Blacks in Synthetic and Nati	11-	
New Safety Code for.  ELMER, E.  Some Suggested Improvements for Injetion Molding Machines. A MIT Conference on Properties of Plastics A Mixing, High-Temperature, of Fully Reinforting Carbon Blacks in Synthetic and Natral Rubbers—II. Isaac Drogit Hester R. Bishop, Paul Wissenan Machinery, Rubber—the Banbury.  A Comes M.	o 57	
D. A. Comes M	y 178	
Panel Discussion on Mixing M Mold Lubricant, Silicone—G-E 81161	ly 180 F 559	
Release Emulsion—DC Mold Release Emu	l- le 314	
Release Emulsion—DC Mold Release Emu sion No. 35B	F 557	

	AGES
Molding Casting and, Processes Using Rubber Latex S. C. Stokes F	544
Casting and, Processes Using Rubber Latex S. C. Stokes F Compound, Durez, New	430 71 64
Silicone—G.E 12810 . Ap Injection, Machines, Some Suggested Im- provements for	551 315
Heat Losses in R. E. Shrader, W. A. Rigid, New Geon for My	413 188
Rigid, New Geon for My My dolecular-Weight, Low-, Fraction of Guayule Rubber, A. W. Meeks, T. F. Banigan, Jr., R. W. Plank Je dyreene, New Process for Au	301 552
N	
Actional Academy of Science	314
Safety Council D 320, S 1949 Safety Statistics JI NATURAL RUBBER Mixing, High-Temperature, of Fully Rein-	698 454
Mixing, High-Temperature, of Fully Reinforcing Carbon Blacks in Synthetic and— II	57
II	678
cessing of E. M. McColm My Tensile Properties of, and Synthetic Rubbers at Elevated and Subnormal Temperature D	171 299
at Elevated and Subnormal Temperatures  B. S. T. T. Boonstra D  augalite—Metallic Finish Upholstery. Ja  aval Stores Product, New—Maleo-Pimaric  Acid. Ap  tear East, Rubber Industry in	429 70
iear East, Rubber Industry in My ieo Brown-Burgess Offers New Pigments Ap ieoprene, see Synthetic Rubbers ietherlands, Rubber Trade in.  N 234, Ja 470, F 602, Je 353, Au EW GOODS AND SPECIALTIES Aero-Sealz—New Surfacing Material. Je Balls, Rubber Covered.  N Basketball, Nylon Cord. Je Battery, Storage—U.S. Super Powerlife D Barake, Industrial, Revolutionary. Ja Cutting Block of Tygon, New. Au Dish Drainer Utilizes Vinylite, New. Au Dish Drainer Utilizes Vinylite, New. Fender, Rubber, for Street Cars. Au Ploof Covering, Vinyl Practice Balls. Je Hose	200
N 234, Ja 470, F 602, Je 353, Au EW GOODS AND SPECIALTIES Aero-Sealz—New Surfacing MaterialJe	590 324
Balls, Rubber Covered	228 347 328
Brake, Industrial, Revolutionary. Ja Cutting Block of Tygon, New Au Dark Room, Rubberized Au	454 539 568
Dolls, Plastic. Fender, Rubber, for Street Cars. Au	598 564
Golf Ball, RadioactiveAu Practice BallsJe	568 294
Practice Balls . Je HOSE All-Purpose . Ja For Refueling Farm Equipment . Ja Mine Sprinkler . Ja Hot Water Bottles, Character . N Inner Tubes, Nylon Cord . Ap Mat and Cutting Board, Combination . P Mats, Automobile, for Center Humps . Je Kitchen Shelf, and Cup Racks . Au Matting, All-Purpose Decorative Rubber Floor . P Pail, Rubber . P Plug, Electrical . P Pool, Wading, Improved Rubber, for Chil- dren . Au Quilting, Plastic . F Shampoo Shade, Children's . Ap Shoes, Baseball, Boys' . Je Tees, Golf, Polyethylene . Ap Tikes Auto, U.S. Rubber . D  Auto, U.S. Rubber . D  Auto, U.S. Rubber . D	452 448 452 84
Welding. Ja Hot Water Bottles, Character. N Inner Tubes, Nylon Cord. Ap	452 228 104
Mat and Cutting Board, CombinationF Mats, Automobile, for Center HumpsJe Kitchen Shelf, and Cup RacksAu	$\frac{598}{348}$ $\frac{588}{588}$
Matting, All-Purpose Decorative Rubber Floor	572 597
Pool, Wading, Improved Rubber, for Children Au	589 587
Shampoo Shade, Children's Ap Shoes, Baseball, Boys' Je Tees, Golf, Polyethylene Ap	56 348 104
Tile, Floor, Plastic	$\frac{229}{328}$
Auto, U.S. Rubber.  Off-the-Road—Goodrich's Universal. Au Low-Pressure—Fisk Safti-Flight. Au Passenger, General's Silent Safety. Ap Goodrich's Defiance. Au Subperlies	568 564 80
Seiberling. Ap Tractor, Firestone. Ja Goodrich	76 450 450
Goodyear D U.S. Royal Grip Master J1 Trailer, General's O	336 452 85
Truck, Goodyear Ja Hi-Miler Rib, New Ap	454 81
Passenger, General's Silent Safety.         Ap           Goodrich's Defiance.         Au           Seiberling.         Ap           Tractor, Firestone.         Ja           Goodrich.         Ja           Goodyear.         D           U.S. Royal Grip Master.         JI           Trailer, General's.         O           Truck, Goodyear.         Ja           Hi-Miler Rib, New.         Ap           Valve, Rubber Pinch.         Je           Vinyl Material, Expanded         Je           Wheel Kit, Pallet-Loader.         F           EW         High Styrene Reinforcing Resin.         A—Marbon	324 347 546
"8000" C. R. Holt, A. G. Susie,	116
Ja 474, F 605, Ma 731, Ap 115, My 226, Je 355, Jl 468, Au 597, S 7	723
D 364, Ja 476, F 610, Ma 734, Ap 118, My 230, Je 358, JI 472, Au 602, S 7 Rubber Group. N 200 Ja 430	728
Ma 695, Je 315, Jl 436, S 6 Zealand, Rubber Industry in	389 128
Zealand, Rubber Industry in, J. 100 Ma 7 ws about People	03
y=May; $Je=June$ ; $Jl=July$ ; $Au=A$	ugus

NEWTON, R. G.
Newton, R. G. Note on a Fallacious Method of Comparing Experimental Results, A. D. 303 Niessen, P. F. 1949, Developments in the Tire Industry in Wm. F. Perkins, Harold Gray JI 419 Northern California Rubber Group D. 318, Ja. 440, Jl. 437, S. 689 Norway, Rubber Trade in Je. 353 OBITUARY
1949, Developments in the Tire Industry in Wm. F. Perkins, Harold Gray J1 419
D 318, Ja 440, Jl 437, S 689 Norway, Rubber Trade in Je 353
Bendixsen, Aage
Benner, Winthrop W. JI 458 Berry, Stephen S. O 88 Bitter W. Francett O 86
Boyer, Edwin S. Ap 85 Harry L. My 208
Brown, Charles E., Jr
Collette, Paul E. Je 340 Cornell A Boyd D 338
Cowdery, Arthur B. Au 572 Cummings, A. Donald O 88
de Holczer, Louis J. F 584 Dunphy, James P. F 584 Eckrode Clement F
Gaver, F. W. Ja 466 Gillen, Henry T. Jl 456
Goodrich, David M. Je 340 Hassenzahl, Kennedy My 203
Hodgman, George B. JI 458 Hood, Arthur N. Ma 714 Huff Miss Morle M. Le 340
Irvin, James K
Judsen, Carl A
Lawrence, George L., Jr. S 702 L'Hommedieu, Paige R Au 572
Long, Herbert J. Ja 466 Mastin, Charles R. Ma 714
Morse, Wm. M. Portrait Ap 84 Muchlstein, Julius Portrait J1 456
Noble, John J. N 218 Richards, C. A. JI 456
Crosby My 208 Schranz, Frederick G. Ap 85
Stanley, Douglas E. Au 372 Stephens, Edward W. Je 338 Tallmer, Albert F. D 338
Venturini, John B
Odorants, Alamask, Du Pont s
and N 199 OTS Bibliography, New JI 437 Reports on Rubber Products—Abstracts
Ap 94, Au 576
Ap 94, Au 576  P P O S I Brown—Burgess Offers New Pigments
P O S J Brown—Burgess Offers New Pigments
P O S J Brown—Burgess Offers New Pigments
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
POSJ Brown—Burgess Offers New Pigments Ap 71  Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678  Painter, R. P. Potrait Au 562  Pakistan, Rubber Trade in D 313  Paper, New Neoprene Latex for—Type 735 Ma 693  Plastics Conference Plastics Conference
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 460, F 586, Ap 88, Au 580, S 705 German, Guide to, Requests Je 38, Ja 466, F 594, Ap 90, Au 582, S 705 Process O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 705 Trade Marks O 96, N 223, D 348, Ja 466, F 594, Ap 90, Au 582, S 705 Unclassified O 96, N 224, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in S 720 Peterson, Chester H Portrait Jl 445 Penladelpibl Rubber Group.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P Postrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS Application O 90, N 220, D 342, Ja 460, F 586, Ap 88, Au 578, S 705 Chemical O 90, N 220, D 344, Ja 462, F 588, Ap 88, Au 578, S 705 German, Guide to, Requests Je 319 Machinery O 94, N 224, D 348, Ja 466, F 594, Ap 90, Au 582, S 707 PGCSS O 90, N 220, D 344, Ja 466, F 594, Ap 90, Au 582, S 707 PGCSS O 90, N 220, D 344, Ja 466, F 594, Ap 92, Au 582, S 707 PGCSS O 96, N 225, D 348, Ja 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Je 466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Je 454 PERSAK, L. J. Molding of Polythene D 315 PERSAK, L. J. M. J. M. J.
P O S J Brown—Burgess Offers New Pigments Ap 7 Packaging of Natural Rubber, A Means for Improving the J. C. Roberts Ma 678 Painter, R. P. Portrait Au 562 Pakistan, Rubber Trade in D 313 Paper, New Neoprene Latex for—Type 735 Ma 693 Plastics Conference S 676 Paraplex G-60 for Vinyl Plastisols Je 312 PATENTS Application O 90, N 220, D 342, S 401 Application O 90, N 220, D 344, J 348, J 3462, F 588, Ap 88, Au 578, S 765 Chemical O 90, N 220, D 344, J 348, J 3466, F 594, Ap 90, Au 582, S 707 Porcess O 90, N 220, D 344, J 3466, F 594, Ap 90, Au 582, S 707 Porcess O 90, N 220, D 344, J 3460, F 588, Ap 88, Au 578, S 766 Trade Marks O 90, N 220, D 344, J 3460, F 588, Ap 88, Au 578, S 766 Trade Marks O 96, N 225, D 348, J 3466, F 594, Ap 92, Au 582, S 707 PB" Rubber, a New Synthetic Jl 454 PERKINS, WM. F., AND HAROLD GRAY Developments in the Tire Industry in 1949 Jl 419 PERSAK, K. J. Molding of Polythene D 315 Peru, Rubber Trade in Portrait Jl 445 Perhiadelphia Rubber Group J 429 Philadelphia Rubber Group Ja 429 Philadelphia Rubber Group Ja 458 Physics of Rubber, Recent Developments in P. F. S. Conant, L. A. Wohler N 179 Pergent Burgers Of 76, Ma 695, Je 314, S 689 Physics of Rubber, Recent Developments in Polysics of Rubber, Recent Developments in Provential Burgers of Provinces of Rubber, Recent Developments in Provinces of Pigmented Latices, Improved S 690 Pigmented Latices, Improved

PAGES	Pages	Pages
PLASTICIZER Polycizer 162 and 332J1 435	Powers, H. V	RUBBER Depolymerized, Use of
Polycizer 162 and 332	Use of Polyethylene in Contact with Rubber, The	Footwear, The Manufacture of
PLASTICS Calender and Its Auxiliary Equipment, The Thomas J. Kerr S 675	Process Fluid Heating and High-Temperature	in 0 75
Conterence of Chicago Ma 685	Cooling for Calenders and   Geringer   I   429	Guayule, A Low-Molecular-Weight Frac- tion of J. W. Meeks, T. F. Banigan, Jr., R. W. Planck Je 301
Paper-Plastics 5076 Durez Molding Compound, New Ja 430 Enrup—New U.S. Rubber Je 312	Price Reduction, Emersol 132	INDUSTRY, RECENT DEVELOPMENTS IN Canvas and Waterproof Footwear Indus-
Paper-Plastics S 676 Durez Molding Compound, New Ja 439 Enrup—New U.S. Rubber Je 312 Expositions O 80, N 199, Ja 430, F 557 Extrusion, Controversial Points on		try
Letter to the EditorAu 544	Myreene, New, for. Au 552 Patents. O 90, N 220, D 344, Ja 460, F 588, Ap 88, Au 578, S 706 Variable, Time as a. Joseph S. Detwier D 305 White Page Report Page 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Physics of Rubber S. D. Gehman Ap 60 Reclaimed Rubber J. M. Ball Ap 58
Letter to the Editor. Au 544 Needs. M. S. Greenhalgh Au 541 Of Curved Shapes Au 545 Fabric Coating, in D. S. Plumb Ap 62 Fluid Heating and High-Temperature Cool-	Variable, Time as a Joseph S. Detwiler D 305 Whipped Foam Rubber, and Development of	Reclaimed Rubber J. M. Ball Ap 58 Sole and Heel Industry Je 299 Wire and Cable Industry R. D. Schatzel Ap 57 Leather, Impregnated D 324
	the Industry, A Review of the	Low-Temperature—Evaluation of Various Mercaptans in the Custom Recipe at 41° F.
Geon for Plating Racks.   D 317	Processes, Molding and Casting, Using Rubber Latex S. C. Slokes F 544 Processing of Natural Rubber, Postwar Agricultural Production and E. M. McColm My 117 Production Postwar Agricultural and Pro-	
200 x 20—Soluble Vinyl Resin. Je 312 Hyatt Award, Powell Receives. Jl 433	cultural Production and . E. M. McColm My 117 Production, Postwar Agricultural, and Pro-	Manufacturers Association, Inc O 82, 88, N 207, D 327, Ja 444, F 564, Ma 696. Ap 72, My 196, Je 324, J1 443, Au 555, S 692 Mixing, High-Temperature, of Fully Rein-
Hyatt Award, Powell Receives. Jl 433 Hycar-Phenolic Compounds, New Ja 429 Kel-F Prices Reduced Ap 66	Production, Postwar Agricultural, and Processing of Natural Rubber	forcing Carbon Blacks in Synthetic and Natural—II
Suspensoid Ja 430 Library, Embossing Designs Ja 429 Machine, Injection, 200-Ounce J 433 Machines, Injection Molding, Some Suggested Lungayements for Filmer S Wills Apple 64	Small-Farm Rubber, in Latin America J1 426 Products, Rubber, OTS Bibliography Reports of—Abstracts Ap 94 Au 576	Machinery—the Banbury
	Froducts, Rubber, OTS Bibliography Reports of—Abstracts	Panel Discussion on Mixing My 180 Packaging of Natural, A Means for Improving the
Marvinol, New Easy-ProcessingMy 188 Materials Manufacturers Association	Rubber, IRI One-Day Conference on Ja 440	
F 557, Au 545, S 691 Odorants for. Ma 685 Paraplex G-60 for Vinyl Plastisols. Je 312 Polyester-Type Plasticizer—G-E 2559. Ma 685	Tensile, of Natural and Synthetic Rubbers at Elevated and Subnormal Temperatures . B. S. T. T. Boonstra D 299	ATENTS Application
Polyethylene, Adnesives for—Dispersites U 80	Elevated and Subnormal Temperatures B. T. T. Boonstor D 299  Publications, New O 14, N 236, D 360  Ja 474, F 605, Ma 731, Ap 115, My 226,  Je 355, Jl 468, Au 597, S 723	Filysics of, Recent Developments in the
Film, Adhesive for Ma 685 As Liner Material JI 433 Polystyrene, Some Notes on the Injection	Je 355, J1 468, Au 597, S 723 Pulver, Hugo	S. D. Gehman Ap 59 Polyethylene in Contact with, The Use of
As Liner Material JI 433  Polystyrene, Some Notes on the Injection Molding of Grant W. Cheney Ja 425, F 551  Tile, Standard for Ja 429  Work Horse of the Thermoplastics Industry, the W. C. Goggins, G. B. Thayer		Lucius Gilman, Sydney Axelrod, Wm. J. Powers Ma 674 Powder Developments
Work Horse of the Thermoplastics Industry, the W. C. Goggins, G. B. Thayer	Quebec Rubber & Plastics Group N 201,	Powder Developments
O 72, N 194 Polythene, Molding of K. J. Persak D 315 Properties of, MIT Conference on Au 542 Reet Vinyl Film	Ja 441, F 559, Ap 68, My 188, Au 551 Quinn, John	Small-Farm, in Latin AmericaJ1 426 Products, OTS Bibliography Reports on— Abstracts Ap 94, Au 576
Reet Vinyl Film Au 545 Replace Metals S 691	R	Abstracts
Replace Metals. S 691 Royalite—a New Tough Thermoplastic. S 691 E. C. Van Buskirk My 184 Rhoplex Coating Emulsions N 199 Replacement of the State of	Racks, Geon for Plating	Reserve Circulars F 549, Ap 71, Au 553, S 691
Rulan, Flame-Retarding Plastic. Au 545 Seminar, SPI Ja 430	Ja 478, F 612, Ma 736, Ap 120, My 232, Je 360, Ji 474, Au 604, S 730	Meeting on Synthetic Rubber Testing. Je 319 TRADE ASSOCIATION OF NEW YORK, INC. Dinner. Ma 704
Technology	Racks, Geon for Plating D 317 Rayon Market O 122, N 242, D 366, Ja 478, F 612, Ma 736, Ap 120, My 232, Je 380, Jl 474, Au 604, 5 730 Rebound Characteristics of Polymer Compounds at Various Temperatures B. G. Labbe F 547	Dinner
"Teflon" Developments, New	Recipe, Custom, at 41° F., Evaluation of Var-	My 230, Je 358, JI 472, Au 602, S 728 Secretary, New, Named
Tile, Standard for	ious Mercaptans in Low-Temperature Rubber. J. E. Troyan, C. M. Tucker O 67, N 190 Reclaimed Rubber, Recent Developments in	laxation of Some, and Synthetic Rubber  J. R. Beatty, A. E. Juve F 537  Whipped Foam, Process, and Development of the
Rhoplex Coating Emulsions. N 199   Rulan, Flame-Retarding Plastic Au 545   Seminar, SPI Ja 430   Technology O 72, N 194, D 315, Ja 425, F 551, Ma 681, Ap 62, My 184, Ja 425, F 551, Ma 681, Ap 62, My 184, S 675   Teflon" Developments, New D 316   Mold Release Finish F 557   Tile, Standard for James My 194   January 194	J. M. Ball Ap. 58 Market O 120, N 240, D 364, In 476, F 612, Ma 734, Ap. 118, My 230.	Whipped Foam, Process, and Development of the
Adhesive, New-Vinyl-Hesive Au 545	Market	Rubbers, Silicone, for Low Temperature Use JI 437 Ruebensaal, C. F
Film, Goodyear, New . Je 312  Reet . Au 545  Plasticizer, New—GP 233 Ap 66  Plastisols and Lacquers . My 188  Parally G. 60 for . J. 212	Reet, Vinyl Film. Au 545 Reeves, Robert L. Portrait F 576 Reinforcement, Glass Fiber, of Foam Rubber Bailey Bennett, G. H. McFadden, J. F.	
Plastisols and LacquersMy 188 Paraplex G-60 forJe 312		S
Paraplex G-60 for. Je 312 Staflex in Ap 83 Polyethylene, and A. F. Sward Ma 681 Resin—New Easy-Processing Marvinol	Reinforcing Resin, A New High Styrene— Marbon "8000"C. R. Holt, A. G. Susie, M. E. Jones Ja 416	SAF Black, Phillips' New
	Relaxation, Stress, of Some Rubber and Syn-	Council, National, see also Schatzel, R. A Portrait Ja 441 Recent Developments in the Wire and Cable
Resin, Soluble—Geon 200 x 20 Je 312 Stabilizers—"Dutch Boy" Plumb-O-Sils C and D	J. R. Beatty, A. E. Juve F 537	Recent Developments in the Wire and Cable Industry
Plastisol and Organosol Compounds, Uni- chrome	M. G. Zwicker Ja 431  Reports on Rubber Products, OTS Bibliography—Abstracts	Schnuck, Carl F
chrome	Prem	Je 313, Ji 434, Au 546, S 677
Staflex in	Geon, Improved—101 EP	Scorch Control, Factory, Practical Aspects of Douglas Chalmers O 51 Scrap Rubber Institute
PLUMB, D. S. Plastics in Fabric Coating	Adhesive, New—A-1	Scrap Rubber Institute Ap 76, Jl 445, Au 564, S 698 Preight Rates Cut Au 564, S 698 Market O 120, N 240, D 318, Ja 476, F 610, Ma 736, Ap 118, My 230,
Vinyl Stabilizers	Vinyl, New Easy-Processing Maryinol . My 188	Market
	Soluble—Geon 200 x 20	Seats, Valve, Hycar F 559 SHAW, ROBERT F.
Adhesives for—Dispersites       O       80         Film, Adhesive for       Ma       685         As Liner Material       J1       433	Resistance, Tear, The Angle vs. the Crescent Specimen for Determining F. L. Graves Au 534 Retarding, Flame-, Plastic, Rulan Au 545 Review of the Whipped Foam Rubber Process	Test Methods for Elastomers at Extreme Low Temperatures
Plastics, Vinyl and	G. H. McFadden Ia 419	Importance of Controlling Heat Losses in
L. Gilman, S. Azelrod, Wm. J. Powers Ma 674 Polymer Compounds at Various Temperatures, Rebound Characteristics of B. G. Labbe F 547	Rhode Island Rubber Club Ja 439, Je 316, Au 553 Rhoplex Coating Emulsions	Molding Operations, The
Polymerization Accelerator—Diox 7	House E. J. Claassen Je 313 Riesing, E. F Portrait S 703	Low-Temperature GR-S with a E. M. Allen, F. W. Gage, Ralph F. Wolf Ma 669 Silicone Mold Lubricant—G-E 81161 F 559 Molding Compound—G-E 12810 Ap 71 North March 11 127
perimental F 549, Ap 71, Au 553, S 691 Halocarbon, Available	House	Rubbers for Low Temperature Use Ji 407
Halocarbon, Available	Roll Coaters, Combining and Doubling Ma- chines, Spreaders Wm. R. Kent Le 205	Small-Farm Rubber Production in Latin America
on the	Royalite—a New Tough Thermoplastic E. C. Van Buskirk My 184	DIACTICS ENGINEERS INC
Work Horse of the Thermoplastics Industry, the W. C. Goggin, G. B. Thayer O 72, N194 Polythene, Molding of K. J. Persak D 315 Postwar Agricultural Production and Processing of Natural Rubber E. M. M. Cole My 171	Adhesive to Metal In 438	Conference, Technical N 196, Ja 427 F 555, Ma 684, Ap 65, Je 310 Abstracts of Papers
ing of Natural Rubber. E. M. McColm My 171  Powder, Rubber, Developments	Association of Canada	Conference, Technical N 196, Ja 427 Conference, Technical N 196, Ja 427 Abstracts of Papers Ja 427, P 555 Contest, Paper, Prize O 74, Je 310, S 691 Quality Control Program D 317
Ia=Ian.: F=Feb.: Ma=Mar.: Ap=April:		

PAGES	PAGES	P.	AGES
SOCIETY OF PLASTICS ENGINBERS, INC.	Street, John N	Tiling, Fremont Adhesive for F Time as a Process Variable	
SECTIONS	Delft Methods of Measuring J. M. Buist, H. Geldof Je 291		305
Buffalo. Ma 685 Chicago N 196, ja 429, F 557, Ma 684, Ap 65, My 186, Je 311, JI 432 Cleveland-Akron Ja 428, Ma 684, Aimi Valley My 187, Je 311, Au 545 Midwest, Upper Ma 684, Ap 66 New England, Western N 196, D 317, Ja 429, F 556, Ap 65, My 187, JI 433 York O 74, N 196, D 317, Ja 429, F 556, Ma 684, Ap 65, My 187, JI 433	Stress Relaxation of Some Rubber and Syn-	Tire Industry in 1949, Developments in the Wm. F. Perkins, Harold Gray JI Toronto Paint & Varnish Production Club Ap Trade Lists Available	419
Ma 684, Ap 65, My 186, Je 311, J1 432 Cleveland-Akron Ja 428, Ma 684,	thetic Rubber Vulcanizates in Compression.  J. R. Beatty, A. E. Juve F 537	Trade Lists Available D 340, Au	574
Ap 66, Je 311, Jl 432, Au 545 Miami Valley , My 187, Je 311, Au 545	Stringfield, R. B	F 594, Ap 92, Au 582, S	707
Midwest, Upper Ma 684, Ap 66 New England, Western N 196, D 317.	Marbon "8000" C. R. Holt, A. G. Susie, M. E. Jones Ja 416	Opportunities, Foreign 132, F 584, Ap 96, Au	576
Ja 429, F 556, Ap 65, My 187, Jl 433 Vork O 74, N 196, D 317, Ja 429,	Sucher, R. B	Transfer, Heat, Characteristics of Vulcanizates, Effect of Carbon Black on . L. R. Sperbers, Lynn Harbison, J. F. Szedik Au TROYAN, J. E., AND C. M. TUCKER Low-Temperature Rubber—Evaluation of	
F 556, Ma 684, Ap 65, My 186, Je 310, Jl 432	carbonate	Lynn Harbison, J. F. Svetlik Au TROYAN, J. E., AND C. M. TUCKER	536
	New High Styrene Reinforcing Resin, A		
Western. My 186 Newark, . O 74, N 196, D 317, Ja 429, P 556, Ma 684, Ap 66, My 186, Jc 311 Philadelphia . D 317, Ja 428, Ma 684, Ap 66 Rochester F 577, Ma 685, My 186,	—Marbon "8000" Ja 416 Suspensoid, Kel-F Ja 430	at 41° F	190
Rochester F 577, Ma 685, My 186, Je 311	M. E. Jones Ja 416 Sucher, R. B. Portrait Au 562 Sulfur Compound, New-Ethylene Trithio- carbonate. Au 552 Supreme—Hard Water Corrector. F 584 SUSIE, A. G., M. E. JONES, C. R. HOLT New High Styrene Reinforcing Resin, A —Marbon "8000" Ja 416 Suspensoid, Kel-F Ja 430 Svetlik, J. F., L. R. Sperberg, L. Harbison Effect of Carbon Black on Heat Transfer Characteristics of Vulcanizates. Au 536	Low-Temperature Rubber—Evaluation of Various Mercaptans in the Custom Recipe	
Texas, South	Characteristics of Vulcanizates Au 536 Sward, A. F.	Various Mercaptans in the Custom Recipe at 41° F 0 67. N	190
THE PLASTICS INDUSTRY, INC. CHAPTERS	Vinut and Palvethylane Plactice Ma 681	U	
CHAPTERS         Midwest         N 196, Ja 429, F 557, Ma 684, Ap 65, My 186, Je 311, Jl 432           New England         N 199           Pacific Coast         My 185           San Francisco         D 318           Conference, Annual         S 676           Film and Sheeting         Jl 431           Pacific Coast         O 80           Exposition         O 80, N 199, F 557, My 187           Labeling Program, Informative         S 676           President, Gooch Reelected         Je 311	Sweden, Rubber Federation Formed in.         Jl 437           Trade in.         N 234, S 720           Switzerland, Rubber Trade in.         D 358	Unclassified Patents O 94, N 224, D 348, Ja 466, Ap 92, Au 582. S Unichrome Plastisol and Organosol Com-	707
New England N 199 Pacific Coast My 185		pounds	199
San Francisco	Applications of Neoprene and "Cold Rubber" in Electrical Cable Carl E. Huxley Ma 676 Butyl, New Adhesive for—No. 12623 Cement	pounds by the state of the stat	202
Film and Sheeting	D 324	Upholstery, Metallic Finish—Naugalite Ja	429
Exposition O 80, N 199, F 557, My 187 Labeling Program, Informative S 676	Carbon Blacks, Fully Reinforcing, in, and Natural Rubbers, High-Temperature	Use of Depolymerized RubberAp	716
Seminar Plastics In 430	Natural Rubbers, High-Temperature Mixing of—II Isaac Drogin, Hester R. Bishop, Paul Wiseman O 57	Use of Depolymerized Rubber Ap Polyethylene in Contact with Rubber, The L. Gilman, S. Alexrod, W. J. Powers Ma Silicone Rubbers for Low Temperature Jl	674
Abstracts of Papers Ja 430 Of Canada, Inc. N 166, Ap 66 Sole and Heel Industry, Recent Developments	GR-S "Cold Rubber," A Progress Report on	Silicone Rubbers for Low Temperature Jl	437
Sole and Heel Industry, Recent Developments	B. M. G. Zwicker Ja 431 Experimental, Polymers and Latices, Ad-	Valve Seats, Hycar F	559
in the.  South America, Rubber Industry in Ma 729, S 720  Southern Ohio Rubber Group. D 324, Ja 439,  F 559, Ap 71, Jl 436  Sonin Rubber Trada in F 559, Ap 71, Jl 436	ditional F 549, Ap 71, Au 553, S 691 Low-Temperature, Compounding of, with	Van Buskirk, E. C. Royalite—a New Tough Thermoplastic My	
F 559, Ap 71, JI 436 Spain Rubber Trade in F 601	Low-Temperature, Compounding of, with a New Fine-Particle SilicaE. M. Allen, F. W. Gage, Ralph F. Wolf Ma 660	VINYL	245
Spain, Rubber Trade in	Rubber—Evaluation of Various Mer-	Dispersion CoatingsMa	685
Spencer, Leland E	J. E. Troyan, C. M. Tucker O 67, N 190 Hycar-Phenolic Compounds, New Ja 429	Reet. Au	545
Spencer, Leland E. Portrait O 85 Sperberg, Lawrence R. Portrait J1 447 HARBISON, LYNN, J. F. SVETLIK	Valve Seats	Plasticizer, New-GP 233 Ap	66
	captans in the Custom Recipe at 41 F. E. Troyan, C. M. Tucker O 67, N 190 Hycar-Phenolic Compounds, New	Addesive—Vinyl-Hesive Au Dispersion Coatings Ma Film, Goodyear, New Je Reet. Au Hesive—New Vinyl Adhesive Au Plasticizer, New—GP 233 Ap Plastics, and Polyethylene. A. F. Suard Ma Plastisols and Lacquers, New My Paraples G-60 for Je	188
Characteristics of Vulcanizates Au 536 Sponge, Foamed Latex, Physical Evaluation of F. S. Conant, L. A. Wohler N 179	"PB" Rubber, a New	Plastisols and Lacquers, New My Paraplex G-60 for Je Staflex in Ap Resin—New Easy Processing Marvinol My Soluble—Geon 200 x 20 Je Stabilizer, New—Stabelan "E" Ma Stabilizer, New—"Dutch Boy" Plumb O-Sils C and D Vinylite Dispersion Resin VYNV. 3 J Vulcanizates. Effect of Carbon Black on Heat	83
Spreaders, Roll Coaters, Combining and Doubling Machines Wm. R. Kent Je 295 Sprex AC—Hard Water Corrector F 584 Stabelan "E"—New Vinyl Stabilizer Ma 694	vated and Subnormal Temperatures	Soluble—Geon 200 x 20	312
Stabelan "E"—New Vinyl Stabilizer Ma 694	Testing, ORR Meeting on Je 319 Vulcanizates in Compression, Stress Relaxa-	Stabilizer, New-Stabelan E. Ma Stabilizers, New-"Dutch Boy" Plumb	1 094
STABILIZER "Dutch Boy" Plumb-O-Sils C and D-New	Vulcanizates in Compression, Stress Relaxa- tion of Some Rubber and J. R. Beatty, A. E. Jure F 537	Vinylite Dispersion Resin VYNV. 3 J	1 433
Stabelan "E"—New Vinyl Ma 694	Synthetic Textile Fiber, New-Fiber V Au 551	Vulcanizates, Effect of Carbon Black on Heat Transfer Characteristics of L. Sperberg, Lynn Harbison, J. F. Svellik Au	
Staflex in Vinyl Plastisols Ap 83 Staflex in Vinyl Plastisols	T	Lynn Harbison, J. F. Svellik Au In Compression, Stress Relaxation of Some	2 536
Vinyl	Tabors, R. G	In Compression, Stress Relaxation of Some Rubber and Synthetic Rubber J. R. Beatty, A. E. June F	004
	Tabors, R. G. Portrait S 703 Tackifier, Koresin, Available S 689 Tear Resistance, The Angle 18, the Crescent Specimen for Determining F. L. Graves Au 534	VYNV. 3, Vinylite Dispersion Resin Jl	1 433
Tire Inventory, Production, Domestic Ship- ments 0 96, N 242, D 374, Ja 480, F 614, Ma 744, Ap 122, My 234, Je 368, Jl 476, Au 606, S 738	F. L. Graves Au 534 Strength, Comparison of Crescent and Delft	Wagner Edward E	707
F 614, Ma 744, Ap 122, My 234, Je 368, Il 476, Au 606, S 738	Strength, Comparison of Crescent and Delft Methods of Measuring J. M. Buist, "Teflon" Developments, New D 316 Mold Release Finish F 557 Temperature, High-, Cooling for Calenders and Presses, Fluid Heating and Paul L. Geiringer Jl 429 Mixing of Fully Reinforcing Carbon Blacks in Synthetic and Natural Rubbers — II Isaac Drogin, Hester R. Bishop.	Wagner, Edward F. Portrait Ma Walker, Donald F. Portrait Walmsley, Charles A. Portrait Warner, F. W. Portrait Washington Rubber Group D 324, P 58 WATER, HARD, CORRECTOR Sprex AC.	218
Carbon Black O 119, Ja 415, Ap 122, Au 604	"Teflon" Developments, New	Warner, F. W. Portrait Ja	432
Exports and Reexports of Crude and Man- ufactured Rubber, Imports	Temperature, High-, Cooling for Calenders and Presses, Fluid Heating and	WATER HARD CORRECTOR	e 319
N 244, D 374, Ja, 480, F 614, Ma 744, Ap 124, My 234, Je 368, Jl 476, Au 606, S 738	Paul L. Geiringer J1 429 Mixing of Fully Reinforcing Carbon Blacks	Sprex AC	584
Imports, Exports, and Reexports of Crude and Manufactured Rubber O 124,	in Synthetic and Natural Rubbers - II  Isaac Drogin, Hester R. Bishop,	Webnex #33—Latex Anti-Webbing Agent Jl	1 435
N 244, D 374, Ja 480, F 614, Ma 744, Ap 124, My 234, Je 368, II 476, Au 606, S 738	Isaac Drogin, Hester R. Bishop, Paul Wiseman O 57 Low-, GR-S. Compounding of, with a Fine-	Rubber, A J. W. Meeks, T. F. Ban-	. 301
Latex O 96, N 244, D 374, Ja 476, F 614, Ma 744, Ap 60, My 234, Je 368.	Low-, GR-S, Compounding of, with a Fine- Particle Silica	Wendes, John C. H Portrait S. Wendes, John C. H	5 701
Imports, Exports, and Reexports of Crude and Manufactured Rubber 0 124, N 244, D 374, Ja 480, F 614, Ma 744, Ap 124, My 234, Je 368, J 1476, Au 606, S 738 Latex 0 96, N 244, D 374, Ja 476, F 614, Ma 744, Ap 60, My 234, Je 368, J 476, Au 606, S 738 Natural Rubber 0 96, N 244, D 374,	Rubber—Evaluation of Various Mercap- tans in the Custom Recipe at 41° F	Supreme webner #33—Latex Anti-Webbing Agent J. Weight, Low-Molecular-, Fraction of Guayule Rubber, A J. W. Mecks, T. F. Ban. igan, Jr., R. W. Planck Je Wendes, John C. H Portrait Sees (U. S. A.), Rubber Trade in O 86, N 214 Ja 454, F 576, Ma 712, Ap 83, My 206, Je 382 Jl 454, S	709
Natural Rubber 0 96, N 244, D 374, Ja 480, F 614, Ma 744, Ap 60, My 234, Ie 368, Il 476, Au 606, S 738	J. E. Troyan, C. M. Tucker O 67, N 190 Use, Silicone Rubbers for	Whipped Foam Rubber Process and Develop-	
Reclaimed Rubber 0 96, N 244, D 374, Ja 480, F 614, Ma 744, Ap 60, M 234, Je 368, Jl 476, Au 606, S 738	Temperatures, Elevated and Subnormal, Ten-	ment of the Industry, A Review of the G. H. McFadden Ja	419
My 234, Je 368, Jl 476, Au 606, S 738	sile Properties of Natural and Synthetic Rubbers at B. S. T. T. Boonstra D 299 Extreme Low, Test Methods for Elastomers	Whittemore, Lawrence F. Portrait Ja Whittum, Warren C. Portrait J.	
Rubber Industry Employment, Wages Hours	at	Wing-Stay S, New Antioxidant O Wire and Cable Industry, Recent Developments in the	
Sales, Manufacturers' D 326 Synthetic Rubber 0 96, N 244, D 374, Ja 480, F 614, Ma 744, Ap 69, My 234, Je 368, Jl 476, Au 606, S 738	mer Compounds at B. G. Labbe F 547 Tensile Properties of Natural and Synthetic	WISEMAN, PAUL, ISAAC DROGIN, MESTER R.	9 91
Je 368, Jl 476, Au 606, S 738	Rubbers at Elevated and Subnormal Temperatures	BISHOP High-Temperature Mixing of Fully Reinforc-	
Concumption Natural and Sunthatia	Test Methods for Elastomers at Extreme Low	ing Carbon Blacks in Synthetic and Natural Rubbers—II	57
Rubber, in 1950, Estimated	Temperatures Robert F. Shaw J1 421 Testing, Laboratory, Rubber Bearings	tural Rubbers-II. O WOHLER, L. A., F. S. CONANT AND Physical Evaluation of Foamed Latex	
	J. R. Beatty, D. H. Cornell N 185, D 309 Program, NBS	WOLF, RALPH F., E. M. ALLEN, F. W. GAGE	113
Consumption of New Rubber, Actual	Textile Fiber, New Synthetic—Fiber V Au 551	with a New Fine-Particle SilicaMa	669
ated. Je 320  Cossumption of New Rubber, Actual and Estimated Deficits, 1947- 1953 F 561  Stavely, F. W. Portrait O 75  Stephens, G. W. Portrait JI 454  STOKES, C.A., E. M. DANNENBERG, M. E.	Textile Fiber, New Synthetic—Fiber V Au 551 THAYER, G. B., W. C. GOGGIN AND Polystyrene—the Work Horse of the Thermo-	Wyandotte Dural H and M—New Laboratory Detergents	
Stephens, G. W. Portrait JI 454	plastics Industry O 72, N 194 Thermoplastic, A New Tough—Royalite E. C. Van Buskirk My184	Y	
	Thermoplastics Industry —Polystyrene—the	Youse, L. K	201
Effect of Mechanical Aggregation on the Dispersion Characteristics of Carbon	Work Horse of the W. C. Goggin, G. B. Thayer O 72, N 194	rugostavia, Rubber Trade in r 605, Au	. 071
S. C. S 663	Thiokol Technical Club N 202, Ap 70 Thomas, Islyn Portrait F 556	Zinzalian, George	580
Molding and Casting Processes Using	Tile, Plastic, Standard for	ZWICKER, B. M. G. Progress Report on "Cold Rubber" A. Ja	

### INDEX TO ADVERTISERS

This index is maintained for the convenience of our readers. It is not a part of the advertisers' contract and India Rubber World assumes no responsibility to advertisers for its correctness.

A	D	1	Robertson, John. Co., Inc
A.C. Surada Ca. The	Diamond Alkali Co	Indonesiant Die C Supple	Rohm & Haas Co., The Resinous Products Divi-
A-C Supply Co., The — Adamson United Co10, 11 Akron Equipment Co., The —	Diamond Metal Products	Independent Die & Supply	sion 91
Akron Equipment Co., The -	Co 104	Indoil Chemical Co 21	Royle, John, & Sons 105
Akron Rubber Machinery	Dow Corning Corp. 95 Du Bois Co., The 100 du Pont de Nemours, E. I.,	Institution of the Rubber	Rubber Corp. of America (Latex Division) 106
Albert, L., & Son 113	du Pont de Nemours, E. I.	Industry	
Co	& Co., Inc.:		S
Aluminum Flake Co 108 American Cyanamid Co.,	Grasselli Chemicals Dept. — Organic Chemicals Dept.,	1	•
Cako Chemical Div 81	Aromatics Section	•	St. Joseph Lead Co 32
American Resinous Chemi-	Rubber Chemicals Div.	Johnson Corp., The 96	Schulman, A., Inc. Inside Back Cover
American Zinc Sales Co 36	Inside Front Cover		Scott Testers, Inc 40
Ames, B. C., Co 94		K	Sharples Chemicals Inc
Ames, B. C., Co 94 Atlas Valve Co	E		Shaw, Francis, & Co., Ltd. 29 Shell Chemical Corp
		Koppers Co., Inc 16	Simplex Cloth Cutting Ma-
	Eagle-Picher Co., The 92		chine Co., Inc
В	Emery Industries, Inc 71	L	Sindar Corp 101
Baird Rubber & Trading	Erie Engine & Mfg. Co 14	Littlejohn & Co., Inc	Skelly Oil Co
Barco Manufacturing Co 22	Erie Foundry Co	interjoini a co., and	Socony-Vacuum Oil Co.,
Barr Rubber Products Co		M	Inc 83
The	E	m	South Asia Corp 100 South Florida Test Service 111
Barrett Division, The (Al-		Magnolia Metal Co	Southeastern Clay Co
Corp.) 97	Falls Engineering &	Marbon Corp 12 Marine Magnesium Prod-	Southern Clays, Inc 30 Southland Cork Co 117
Barry, Lawrence N 113	Machine Co., The Farrel-Birmingham Co.,	ucts Corp	Spadone Machine Co., Inc Stamford Rubber Supply
Beacon Co., The 6	Inc 37	McNeil Machine & Engi-	Stamford Rubber Supply
Berlow and Schlosser Co.	Ferry Machine Co. (Wills	neering Co., The 24 Metalsmiths, Division of Or-	Co., The
108, 111	Rubber Trimming Divi-	ange Roller Bearing Co.,	
Binney & Smith Co.  Insert 61, 62  Black Rock Mfg. Co 107	Flexo Supply Co., The 109 French Oil Mill Machinery	Inc 88	Stanley Chemical Co
Black Rock Mfg. Co 107 Bolling, Stewart, & Co.,	French Oil Mill Machinery	Monsanto Chemical Co 33	Stauffer Chemical Co
Bolling, Stewart, & Co.,	Co., The	Morris, T. W., Trimming Machines Muchlstein, H., & Co., Inc. 75	Synvar Corp
Bonwitt, Eric		Muehlstein, H., & Co., Inc. 75	
Bridgwater Machine Co.,	G		T
The (Athens Machine	Gammeter, W. F., Co., The 110	N	m.t. 7
Division) 34 Brockton Tool Co	General Atlas Carbon Co.,	National Erie Corp 103	Taber Instrument Corp 90 Tanney-Costello, Inc 103
Brooklyn Color Works, Inc. 110	The 9 General Electric Co.	National Lead Co	Taylor Instrument Cos 87
Brown Co	(Chemical Dept.) 26	National Rubber Machinery	Timken Roller Bearing Co.,
Durgess rightent Co	General Latex & Chemical	National Sherardizing &	The
	Corp. — — — — — — — — — — — — — — — — — — —	Machine Co., The 113	Tumpeer Chemical Co 90
c	nesia Co 96	National-Standard Co 18 Naugatuck Chemical, Divi-	Turner Halsey Co 15
Cobot Collins I Inc	nesia Co	sion of U. S. Rubber	
Cabot, Godfrey L., Inc. Front Cover	The	Co	U
Cambridge Instrument Co.,	Gidley Laboratories	Neville Co., The	United Carbon Co. Inc.
Inc	Giffels & Vallet, Inc Goodrich, B. F., Chemical	New Jersey Zinc Co., The 23	United Carbon Co., Inc. Insert 27, 28
Cameron Machine Co	Co. (Chemicals)		United Engineering &
Carey, Philip, Mfg. Co., The 110	Goodrich, B. F., Chemical	P	Foundry Co 31
	Co. (Hycar)	Pan American Chemicals,	United Rubber Machinery Exchange
Carter Bell Mfg. Co., The 115 Chemical & Pigment Co.,	Co., Inc., The	Division Pan American	U. S. Rubber Reclaiming
The (Division of The	200, 2000, 200	Refining Corp 107	L' S Stoneware Co. The 117
Glidden Co.) 25		Pennsylvania Industrial	C. D. Dimenuit Con and any
Chemical Service Corp 117	н	Chemical Corp Pequanoc Rubber Co 117 Phillips Chemical Co.	**
Claremont Waste Mfg. Co. 88	Hadley BrosUhl Co 99	Phillips Chemical Co.	V
CLASSIFIED ADVER- TISEMENTS 111, 113, 117	Hall, C. P., Co., The 39	4, 84, 98, 110 Pittsburgh Coke & Chemical	Vanderbilt, R. T., Co., Inc. 44
	Hardman, H. V., Co., Inc. 98	Co	1 411 211 211 211
Cleveland Liner & Mfg. Co., TheBack Cover	Harwick Standard Chemi-	Pittsburgh Plate Glass Co.,	
Colledge, E. W., General	cal Co 35	Columbia Chemical Div Polymel Corp., The 17	W
Sales Agent, Inc 104	Heveatex Corp 40	Pyrometer Instrument Co.,	Wade, Levi C., Co 178
Colonial Insulator Co., The 98	Hoggson & Pettis Mfg.	The	Watson-Standard Co., The 108
Columbian Carbon Co.	Co., The		Wilson, Charles T., Co.,
Insert 61, 62	Holliston Mills, Inc., The . — Home Rubber Co 109	R	Inc 94
CONSULTANTS & ENGINEERS 111	Howe Machinery Co., Inc. 117	D 1 D 11 C	Vitoo Chemical Co 93
Curran & Barry 115	Huber, J. M., Corp 42	Rand Rubber Co	Wood, R. D., Co 29 Wyandotte Chemicals Corp. 109
		Richardson, Sid, Carbon Co. 126	



# right on schedule

Sid Richardson Carbon Company brings deliveries to you as required, just as the chuck-wagon follows and serves the cowhands during round-up time.

Our aim is to make these deliveries of **TEXAS** "E" and **TEXAS** "M" highest quality channel blacks right on schedule, at the time and place specified by you and in the exact quantities desired.

With the world's largest channel black plant and abundant natural resources, we are able to assure your present and future deliveries of these economical-to-use channel blacks.

Let us help keep you on schedule!



Sid Richardson

FORT WORTH, TEXAS

GENERAL SALES OFFICES
EVANS SAVINGS AND LOAN BUILDING
AKRON 8, OHIO

